



COPY

47

<110> Chubinskaya, Susanna
Rueger, David
Kuettner, Klaus

<120> Methods of Using Bone Morphogenic Proteins As Biomarkers For Determining
Cartilage Degeneration and Aging

<130> STK-081

<140> US 10/081,163

<141> 2002-02-20

<150> US 60/348,111

<151> 2001-11-09

<150> US 60/270,528

<151> 2001-02-21

<160> 5

<170> PatentIn version 3.0

<210> 1

<211> 21

<212> DNA

<213> Artificial sequence

<220>

<223> OP-1 primer

<400> 1

ttttcctttc gcacagacac c

21

COPY OF PAPERS
ORIGINALLY FILED

<210> 2

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> OP-1 primer

<400> 2

tgccatctcc gtcctctact

20

<210> 3

<211> 23

<212> DNA

<213> Artificial sequence

<220>

<223> OP-1 primer

<400> 3

ttccctccc tatccccaac ttt

23

<210> 4

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> GAPDH sense primer

<400> 4

ggtatcgtgg aaggactcat

20

<210> 5

<211> 20

<212> DNA

<213> Artificial sequence

<220>

<223> GAPDH antisense primer

<400> 5

accacctggt gctcagtgta

20